

SPEAKER SYSTEM WITH AMPLIFIER

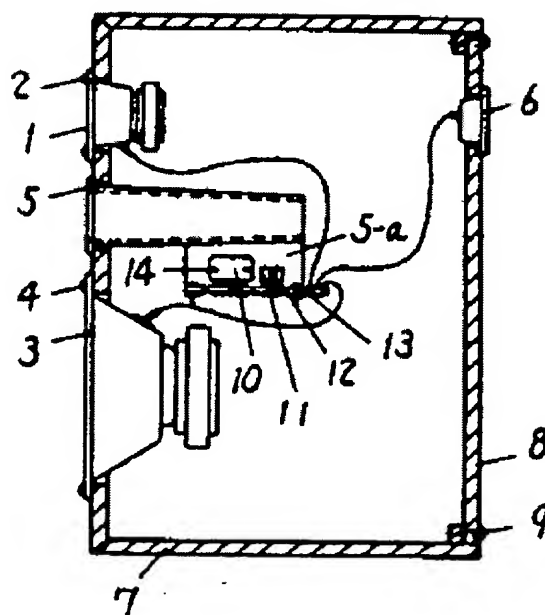
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Abstract of JP61219289

PURPOSE: To radiate effectively heat and to assemble a large output amplifier circuit in a small speaker cabinet by equipping a bass-reflex board that is performed with a heat conductive material to a speaker cabinet and attaching the exothermic parts of the amplifier circuit to a part of the bass-reflex board.

CONSTITUTION: As for the heat value of the exothermic part 10, in the inner surface of a the bass-reflex board 5 through the heating part mounting part 5a, the bass-reflex board 5 is effectively cooled and the generated heat is radiated also effectively by the inside and outside air flow of a speaker cabinet 7 that is occurred by the forward and rearward movement of the diaphragm of an woofer 3 that is driven by the amplifier circuit. Also, so that this air flow is proportioned to the output of the amplifier and also nearly proportioned to the heat value of the exothermic part, the heat value of the heating part is proportioned to the radiating value of the bass-reflex board and it is possible to eliminate the variation of the characteristics of the amplifier by the change of temperature of the heating part.



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